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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/596,318	04/10/2007	Mark McHugh	02940338AA	5325
	7590 07/09/201 URTIS & CHRISTOFI	o FERSON & COOK, P.C.	EXAMINER	
11491 SUNSET HILLS ROAD			TENTONI, LEO B	
SUITE 340 RESTON, VA 20190			ART UNIT	PAPER NUMBER
			1791	
			MAIL DATE	DELIVERY MODE
			07/09/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/596,318	MCHUGH ET AL.			
Office Action Summary	Examiner	Art Unit			
	Leo B. Tentoni	1791			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	l. lely filed the mailing date of this communication. (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on <u>20 M</u> . This action is FINAL . 2b)⊠ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-29 is/are pending in the application. 4a) Of the above claim(s) 20-22 is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-19 and 23-29 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	n from consideration.				
9) The specification is objected to by the Examine	r.				
10) ☐ The drawing(s) filed on <u>09 June 2006</u> is/are: a) Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correct 11) ☐ The oath or declaration is objected to by the Ex	drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 06092006.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	te			

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DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Group I, claims 1-19 and 23-29 in the reply filed on 20 May 2010 is acknowledged.

2. Claims 20-22 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on 20 May 2010.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 23-29 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 23, line 3, "can" renders the claim indefinite because it is not clear if the vessel is, or is not, pressurized.

In claim 23, lines 6-7, "can be" renders the claim indefinite because it is not clear if the polymeric formulation is, or is not, delivered.

In claim 23, line 9, "can be" renders the claim indefinite because it is not clear if the polymeric formulation is, or is not, electrospun.

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Claim Rejections - 35 USC § 102

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5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 6. Claims 23-28 are rejected under 35 U.S.C. 102(e) as being anticipated by Balkus, Jr. et al (U.S. Patent Application Publication 2003/0168756 A1).

Balkus, Jr. et al (see the entire document, in particular, paragraphs [0006], [0007], [0019], [0055] - [0060], [0064], [0083] and [0084]; Figure 1) teaches an electrospinning apparatus including a source of pressurized polymeric formulation, a collection vessel, a flow tube in communication with the source of pressurized polymeric formulation, a target in the collection vessel, and a voltage source.

Claim Rejections - 35 USC § 103

- 7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the

art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

- 8. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 9. Claim 29 is rejected under 35 U.S.C. 103(a) as being unpatentable over Balkus, Jr. et al (U.S. Patent Application 2003/0168756 A1) as applied to claims 23-28 above, and further in view of Dubson et al (U.S. Patent Application Publication 2004/0094873 A1).

Balkus, Jr. et al does not explicitly teach an apparatus in which the flow tube is grounded (Balkus, Jr. et al teaches a flow tube and an electrically charged electrode near the target).

Dubson et al (see the entire document, in particular, paragraph [0069]) teaches an electrospinning apparatus including a grounded flow tube, and such would have been obvious to one of ordinary skill in the art at the time the invention was made in the

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Publication 2003/0168756 A1).

apparatus of Balkus, Jr. in view of Dubson et al in order to manufacture fibers by electrospinning.

10. Claims 1-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Balkus, Jr. et al (U.S. Patent Application 2003/0168756 A1).

Balkus, Jr. et al (see the entire document, in particular, paragraphs [0006], [0007], [0019], [0055] - [0060], [0064], [0083] and [0084]; Figure 1) teaches an electrospinning process including the step of electrospinning a pressurized polymer formulation into a collection vessel to form polymer fibers (on a target). Balkus, Jr. et al does not explicitly recite that the collection vessel is pressurized. However, this would have been obvious to one of ordinary skill in the art at the time the invention was made in the process of Balkus, Jr. et al because Balkus, Jr. et al teaches placing the polymer formulation under pressure and forcing the polymer formulation into the vessel, which results in pressurization of the vessel (note also that the pressurized polymer formulation of Balkus, Jr. et al may contain water (e.g., as a solvent), which is one of the possible pressurized fluids). The particular pressure and temperature in the collection vessel depends on, among others, the particular polymer (and optional solvent) used. Claims 10-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Balkus, Jr. et al (U.S. Patent Application

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Balkus, Jr. et al (see the entire document, in particular, paragraphs [0006], [0007], [0019], [0055] - [0060], [0064], [0083] and [0084]; Figure 1) teaches a process of making fibers including the steps of forming fibers by electrospinning apolymeric formulation into a collection vessel, contacting the polymer fibers with pressurized fluid, and recovering the polymer fibers. Balkus, Jr. et al does not explicitly teach that the collection vessel contains pressurized fluid. However, this would have been obvious to one of ordinary skill in the art at the time the invention was made in the process of Balkus, Jr. et al because Balkus, Jr. et al teaches placing the polymer formulation under pressure and forcing the polymer formulation into the vessel, which results in pressurization of the vessel (note also that the pressurized polymer formulation of Balkus, Jr. et al may contain water (e.g., as a solvent), which is one of the possible pressurized fluids). The particular pressure and temperature in the collection vessel depends on, among others, the particular polymer (and optional solvent) used.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leo B. Tentoni whose telephone number is (571) 272-1209. The examiner can normally be reached on Monday - Friday (6:30 A.M. - 3:00 P.M.).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christina A. Johnson can

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be reached on (571) 272-1176. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Leo B. Tentoni/
Primary Examiner, Art Unit 1791